For 09/171,607

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 NEWS  3  Jan 18  ESBIOBASE - NEW FREE DISPLAY FORMATS, TRIAL
                  FORMAT ENHANCED
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 NEWS  9  Feb 28  Structure Search Limits Increased in REGISTRY,
                  ZREGISTRY, and CASREACT
 NEWS 10  Feb 28  Patent Information Now Searchable in CAOLD
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=> s HF (1N) COLL (1N)18?

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=> s HF (1N) COLL? or HF?COLL?18?514cf

'?' TRUNCATION SYMBOL NOT VALID WITHIN 'HF?COLL?18?514CF'
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'?' TRUNCATION SYMBOL NOT VALID WITHIN 'HF?COLL?18?514CF'
'?' TRUNCATION SYMBOL NOT VALID WITHIN 'HF?COLL?18?514CF'
The truncation symbol ?  may be used only at the end of a search
term.  To specify a variable character within a word use '!', e.g.,
'wom!n' to search for both 'woman' and 'women'.  Enter "HELP
TRUNCATION" at an arrow prompt (=>) for more information.

=> s HF (1N) COLL? or HFCOLL?

   6 FILES SEARCHED...
  15 FILES SEARCHED...
L1          247 HF (1N) COLL? OR HFCOLL?

=> dis l1 (P) fragment

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=> s l1 (P) fragment

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
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FIELD CODE - 'AND' OPERATOR ASSUMED 'L2 (P) FRAGMENT'
15 FILES SEARCHED...
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FIELD CODE - 'AND' OPERATOR ASSUMED 'L17 (P) FRAGMENT'
L2 12 L1 (P) FRAGMENT

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PROCESSING COMPLETED FOR L2
L3 10 DUPLICATE REMOVE L2 (2 DUPLICATES REMOVED)

=> dis l3 1-10 kwic

L3 ANSWER 1 OF 10 INPADOC COPYRIGHT 2000 EPO
TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS

L3 ANSWER 2 OF 10 INPADOC COPYRIGHT 2000 EPO
TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS
TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2000 ACS
TI **Collagen fragment HF-COLL**-18/514cf from body fluids for influencing cell growth and diagnosis of collagen diseases and osteoporosis
AB **Collagen fragment HF-COLL**-18/514cf, with the N-terminal sequence Val-Ala-Arg-Asn-Ser-Pro-Leu-Ser-Gly-Gly-Met-Arg-Gly-Ile-Arg-Gly-Ala-Asp-Phe-Gln-Cys-Phe-Gln-Gln-Ala-Arg-Ala-Val-Gly-Leu, was obtained from human hemofiltrate and purified by cation-exchange chromatog. and preparative reversed-phase chromatog. on a PrepPak cartridge. The **fragment** (mol. wt. 18,493) or antibodies to it are useful for treatment or diagnosis of connective tissue, respiratory, urogenital, circulatory, nervous,. . .
IT Antiosteoporotic agents
Cardiovascular diseases
Connective tissue diseases
Immunoassay
Immunodiagnosis
Infusions (drug delivery systems)
Nervous system diseases

Protein sequences
Respiratory tract diseases
Skin diseases
Tooth diseases
(**collagen fragment HF-COLL**
-18/514cf from body fluids for influencing cell growth and diagnosis
of
collagen diseases and osteoporosis)
IT Antibodies
RL: BAC (Biological activity or effector, except adverse); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)
(**collagen fragment HF-COLL**
-18/514cf from body fluids for influencing cell growth and diagnosis
of
collagen diseases and osteoporosis)
IT Blood proteins
RL: BAC (Biological activity or effector, except adverse); BPR
(Biological
process); PRP (Properties); PUR (Purification or recovery); SPN
(Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); PROC (Process); USES (Uses)
(**collagen fragment HF-COLL**
-18/514cf; **collagen fragment HF-**
COLL-18/514cf from body fluids for influencing cell growth and
diagnosis of collagen diseases and osteoporosis)
IT Urogenital tract
(diseases; **collagen fragment HF-**
COLL-18/514cf from body fluids for influencing cell growth and
diagnosis of collagen diseases and osteoporosis)
IT Genes (animal)
RL: BPR (Biological process); BIOL (Biological study); PROC (Process)
(for **collagen fragment HF-COLL**
-18/514cf of human, expression of; **collagen fragment**
HF-COLL-18/514cf from body fluids for influencing
cell growth and diagnosis of collagen diseases and osteoporosis)
IT Peptides, biological studies
RL: BAC (Biological activity or effector, except adverse); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)
(of **collagen fragment HF-COLL**
-18/514cf; **collagen fragment HF-**
COLL-18/514cf from body fluids for influencing cell growth and
diagnosis of collagen diseases and osteoporosis)
IT Organ (animal)
(sensory, diseases; **collagen fragment HF-**
COLL-18/514cf from body fluids for influencing cell growth and
diagnosis of collagen diseases and osteoporosis)
IT 198403-05-3P
RL: BAC (Biological activity or effector, except adverse); BPR
(Biological
process); PRP (Properties); PUR (Purification or recovery); SPN
(Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); PROC (Process); USES (Uses)
(**collagen fragment HF-COLL**
-18/514cf from body fluids for influencing cell growth and diagnosis
of
collagen diseases and osteoporosis)

L3 ANSWER 4 OF 10 EUROPATFULL COPYRIGHT 2000 WILA
DETDEN Fibroblasts were released from dermal **fragments** by digesting
these with Clostridium histolyticum **collagenase**. **HFs**
were then grown in DMEM using standard methods.

L3 ANSWER 5 OF 10 INPADOC COPYRIGHT 2000 EPO

TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS

L3 ANSWER 6 OF 10 USPATFULL
DETD Fibroblasts were released from dermal **fragments** by digesting these with Clostridium histolyticum **collagenase**. **HFs** were then grown in DMEM using standard methods.

L3 ANSWER 7 OF 10 USPATFULL
DETD Fibroblasts were released from dermal **fragments** by digesting these with Clostridium histolyticum **collagenase**. **HFs** were then grown in DMEM using standard methods.

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2000 ACS
AB . . . (8 keV) collision-induced dissocn. (CID) expts. performed with a double-focusing quadrupole hybrid mass spectrometer. The 2-fluoro- and 3-fluorophenyl anions eliminate **HF** following **collision** with an oxygen mol. By contrast, the collisions between 4-fluorophenyl anions and O2 to not yield detectable amts. of neg. charged **fragment** ions owing to the exclusive occurrence of electron detachment. Electron detachment is also the only process obsd. in the 8. . .

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2000 ACS
AB . . . 34 kcal/mol at a rather stretched nuclear geometry, is in qual. agreement with an ab initio surface for the analogous **collinear** Be + **HF** system. Reaction pathways and reactant-to-product correlation diagrams are also discussed. A simple estn. of the sensitivity of the most prominent features of the calcd. potential energy surfaces to the input diat. **fragment** data demonstrates that these features cannot be attributed to errors made in those data.

L3 ANSWER 10 OF 10 DGENE COPYRIGHT 2000 DERWENT INFORMATION LTD
AB This is the the N-terminal amino acid sequence of a novel protein **HF-COLL**-18/514cf. Medicaments containing **HF-COLL**-18/514cf or its derivatives or **fragments** are useful for treating human diseases, especially involving supporting or connective tissue, the respiratory or urogenital tract, the cardiovascular or. . . the integuments or the sense organs. The medicaments are also used for treating systemic diseases with overproduction or deficiency of **HF-COLL**-18/514cf, especially with e.g. use of antibodies raised against this or **HF -COLL**-18/514cf for substitution therapy. The protein, in a suitable form, can also be used to treat chronic diseases involving electrolyte action. . . or at the dental apparatus. The protein is also used for diagnosis of diseases by producing specific antibodies against synthetic **fragments** or the entire peptide or its derivatives and its **fragments** and measuring the blood concentration of **HF-COLL**-18/514cf via an immunoassay

=> dis l3 1-10

L3 ANSWER 1 OF 10 INPADOC COPYRIGHT 2000 EPO DUPLICATE 1

LEVEL 1
AN 27248995 INPADOC EW 199907 UP 19991124 UW 199946
TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS
IN FORSSMANN, WOLF-GEORG, PROF.DR.MED.; SCHRADER, MICHAEL; STAENDKER, LUDGER; RAIDA, MANFRED; SCHULZ-KNAPPE, PETER
INS FORSSMANN WOLF-GEORG PROF DR M; SCHRADER MICHAEL; STAENDKER LUDGER; RAIDA

MANFRED; SCHULZ-KNAPPE PETER
INA DE; DE; DE; DE; DE
PA HAEMOPEP PHARMA GMBH; BIOVISION GMBH & CO. KG
PAS HAEMOPEP PHARMA GMBH; FORSSMANN WOLF GEORG
PAA DE; DE
TL English; French; German
LA German
DT Patent
PIT EPA2 PUBL. OF APPLICATION WITHOUT SEARCH REPORT
PI EP 896584 A2 19990217
DS R: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
AI EP 1997-921682 A 19970422
PRAI DE 1996-19615710 A 19960422
WO 1997-EP2012 W 19970422

L3 ANSWER 2 OF 10 INPADOC COPYRIGHT 2000 EPO DUPLICATE 2

LEVEL 1
AN 42485223 INPADOC UW 199805
TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS
IN FORSSMANN, WOLF-GEORG; SCHRADER, MICHAEL; STAENDKER, LUDGER; RAIDA, MANFRED; SCHULZ-KNAPPE, PETER
INS FORSSMANN WOLF-GEORG; SCHRADER MICHAEL; STAENDKER LUDGER; RAIDA MANFRED; SCHULZ-KNAPPE PETER
INA DE; DE; DE; DE; DE
PA HAEMOPEP PHARMA GMBH; FORSSMANN, WOLF-GEORG; SCHRADER, MICHAEL; STAENDKER, LUDGER; RAIDA, MANFRED; SCHULZ-KNAPPE, PETER
PAS HAEMOPEP PHARMA GMBH; FORSSMANN WOLF GEORG; SCHRADER MICHAEL; STAENDKER LUDGER; RAIDA MANFRED; SCHULZ KNAPPE PETER
PAA DE; DE; DE; DE; DE; DE
TL English; French; German
LA German
DT Patent
PIT WOA2 PUBL.OF THE INT.APPL. WITHOUT INT.SEARCH REP.
PI WO 9740073 A2 19971030
DS RW: GH KE LS MW SD SZ UG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
W: AL AU BA BB BG BR CA CN CU CZ EE GE GH HU IL IS JP KG KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK TR TT UA US UZ VN YU AM AZ BY KG KZ MD RU TJ TM
AI WO 1997-EP2012 A 19970422
PRAI DE 1996-19615710 A 19960422

LEVEL 2
AN 42485223 INPADOC EW 199804 UW 199804
TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS
IN FORSSMANN, WOLF-GEORG; SCHRADER, MICHAEL; STAENDKER, LUDGER; RAIDA, MANFRED; SCHULZ-KNAPPE, PETER
INS FORSSMANN WOLF-GEORG; SCHRADER MICHAEL; STAENDKER LUDGER; RAIDA MANFRED; SCHULZ-KNAPPE PETER
INA DE; DE; DE; DE; DE
PA HAEMOPEP PHARMA GMBH; FORSSMANN, WOLF-GEORG; SCHRADER, MICHAEL; STAENDKER, LUDGER; RAIDA, MANFRED; SCHULZ-KNAPPE, PETER
PAS HAEMOPEP PHARMA GMBH; FORSSMANN WOLF GEORG; SCHRADER MICHAEL; STAENDKER LUDGER; RAIDA MANFRED; SCHULZ KNAPPE PETER
PAA DE; DE; DE; DE; DE; DE
TL English; French; German
LA German
DT Patent
PIT WOA3 SUBSEQUENT PUBL. OF THE INT. SEARCH REPORT
PI WO 9740073 A3 19971224

DS RW: GH KE LS MW SD SZ UG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
W: AL AU BA BB BG BR CA CN CU CZ EE GE GH HU IL IS JP KG KP KR LC LK LR
LT LV MG MK MN MX NO NZ PL RO SG SI SK TR TT UA US UZ VN YU AM AZ BY
KG KZ MD RU TJ TM
AI WO 1997-EP2012 A 19970422
PRAI DE 1996-19615710 A 19960422

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2000 ACS
AN 1997:711835 CAPLUS
DN 127:351169
TI **Collagen fragment HF-COLL**-18/514cf
from body fluids for influencing cell growth and diagnosis of collagen diseases and osteoporosis
IN Schrader, Michael; Forssmann, Wolf-Georg; Raida, Manfred; Schulz-Knappe, Peter
PA Forssmann, Wolf-Georg, Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19615710	A1	19971023	DE 1996-19615710	19960422
WO 9740073	A2	19971030	WO 1997-EP2012	19970422
WO 9740073	A3	19971224		

W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GH, HU, IL, IS, JP, KG, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 9727665	A1	19971112	AU 1997-27665	19970422
EP 896584	A2	19990217	EP 1997-921682	19970422

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

PRAI DE 1996-19615710 19960422
WO 1997-EP2012 19970422

L3 ANSWER 4 OF 10 EUROPATFULL COPYRIGHT 2000 WILA

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

AN 526550 EUROPATFULL ED 19980112 EW 199752 FS PS
TIEN COMPOSITE LIVING SKIN EQUIVALENTS.
TIDE ZUSAMMENGESETZTES AeQUIVALENT DER LEBENDEN HAUT.
TIFR EQUIVALENTS COMPOSITES DE PEAU VIVANTE.
IN EISENBERG, Mark, 6 Lord Howe Street, Dower Heights, NSW 2030, AU
PA EISENBERG, Mark, 6 Lord Howe Street, Dower Heights, NSW 2030, AU
SO Wila-EPS-1997-H52-T2
DS R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IT; R LI; R LU; R NL; R SE
PIT EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale Anmeldung)
PI EP 526550 B1 19971229
OD 19930210
AI EP 1991-908747 19910424
PRAI AU 1990-9819 19900424
AU 1991-4302 19910122
RLI WO 91-AU160 910424 INTAKZ
WO 9116010 911031 INTPNR
REP EP 243132 A WO 86-02273 A
WO 88-08305 A AU 1374288 A
AU 1374388 A US 4485096 A

REN BELL. E. et al. (1983): "The Reconstruction of Living Skin, The Journal of Investigative Dermatology", Volume 81, No. 1, Supplement pages 2-10. (see pages 1 and 5 in particular) DYKES, P.J. et al. (1991): "In Vitro Reconstruction of Human Skin: The Use of Skin Equivalents as Potential Indicators of Cutaneous Toxicity, Toxicology In Vitro", Volume 5, No. 1,
pages 1-8 (see introduction and discussion in particular) ROWLING, P.J.E. et al. (1990): "Fabrication and Reorganization of Dermal Equivalents Suitable for Skin Grafting after Major Cutaneous Injury, Biomaterials", Volume 11, pages 181-185; published April 1990
IC ICM A61F002-10
ICS A61L027-00 C12N005-08 C12N005-00

L3 ANSWER 5 OF 10 INPADOC COPYRIGHT 2000 EPO

LEVEL 1
AN 46467201 INPADOC EW 199807 UW 199807
TI BIOLOGICALLY ACTIVE PROTEIN (**COLLAGEN FRAGMENT HF-COLL**-18/514CF) FOR INHIBITING THE GROWTH OF TUMOURS AND CAPILLARY PROFILERATIONS
IN WOLF-GEORG FORSSMANN; MICHAEL SCHRADER; LUDGER STANDKER; MANFRED RAIDA; PETER SCHULZ-KNAPPE
INS FORSSMANN WOLF-GEORG; SCHRADER MICHAEL; STANDKER LUDGER; RAIDA MANFRED; SCHULZ-KNAPPE PETER
PA WOLF-GEORG FORSSMANN; HAEMOPEP PHARMA GMBH
PAS WOLF GEORG FORSSMANN; HAEMOPEP PHARMA GMBH
DT Patent
PIT AUA1 COMP. SPEC. OPEN TO PUB. INSP.
PI AU 9727665 A1 19971112
AI AU 1997-27665 A 19970422
PRAI DE 1996-19615710 A 19960422
WO 1997-EP2012 W 19970422

L3 ANSWER 6 OF 10 USPATFULL
AN 96:112621 USPATFULL
TI Composite living skin equivalents
IN Eisenberg, Mark, 6 Lord Howe Street, Dover Heights, NSW 2030, Australia
PI US 35399 19961210
US 5282859 19940201 (Original)
WO 9116010 19911031
AI US 1994-346525 19941129 (8)
US 1991-777419 19911127 (Original)
WO 1991-AU160 19910424
19911127 PCT 371 date
19911127 PCT 102(e) date
PRAI AU 1990-9819 19900424
AU 1991-4302 19910122
DT Reissue
LN.CNT 652
INCL INCLM: 623/011.000
INCLS: 623/015.000; 623/066.000; 128/DIG.008; 435/240.240; 424/424.000; 602/042.000
NCL NCLM: 623/011.000
NCLS: 128/DIG.008; 424/424.000; 602/042.000; 623/015.000; 623/066.000
IC [6]
ICM: A61F002-02
ICS: A61F002-10; A61F002-00; C12N005-00
EXF 623/1; 623/2; 623/11; 623/12; 623/66; 435/240.24; 435/240.241; 424/424; 602/42; 128/DIG.8
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 10 USPATFULL
AN 94:9198 USPATFULL
TI Composite living skin equivalents
IN Eisenberg, Mark, 6 Lord Howe Street, Dover Heights, NSW 2030, Australia

PI US 5282859 19940201
WO 9116010 19911031
AI US 1991-777419 19911127 (7)
WO 1991-AU160 19910424
19911127 PCT 371 date
19911127 PCT 102(e) date
PRAI AU 1990-9819 19900424
AU 1991-4302 19910122
DT Utility
LN.CNT 598
INCL INCLM: 623/011.000
INCLS: 623/015.000; 623/066.000; 128/DIG.008; 435/240.241; 424/424.000; 602/042.000
NCL NCLM: 623/011.000
NCLS: 128/DIG.008; 424/424.000; 435/371.000; 435/398.000; 602/042.000; 623/015.000; 623/066.000
IC [5]
ICM: A61F002-02
ICS: A61F002-10; A61F002-00; C12N005-00
EXF 623/11; 623/66; 623/15; 424/422; 424/423; 424/424; 128/DIG.8; 602/41; 602/42; 602/43; 602/48; 435/240.241; 435/283
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2000 ACS
AN 1994:30378 CAPLUS
DN 120:30378
TI Collision-induced dissociation and charge-reversal processes of isomeric C6H4X- (X = F, Cl and Br) anions
AU Tomperi, Paivi H.; Matimba, Henri E. K.; Ingemann, Steen; Nibbering, Nico M. M.
CS Inst. Mass Spectrom., Univ. Amsterdam, Amsterdam, 1018 WS, Neth.
SO Rapid Commun. Mass Spectrom. (1993), 7(8), 749-56
CODEN: RCMSEF; ISSN: 0951-4198
DT Journal
LA English

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2000 ACS
AN 1980:573921 CAPLUS
DN 93:173921
TI Valence bond diatomics-in-molecules (DIM) treatment of collinear interactions of Group IIa and IIb metal atoms with hydrogen halides: application to the calcium hydrogen chloride system
AU Isaacson, Alan D.; Muckerman, James T.
CS Chem. Dep., Brookhaven Natl. Lab., Upton, NY, 11973, USA
SO J. Chem. Phys. (1980), 73(4), 1789-49
CODEN: JCPSA6; ISSN: 0021-9606
DT Journal
LA English

L3 ANSWER 10 OF 10 DGENE COPYRIGHT 2000 DERWENT INFORMATION LTD
AN 1997P-W44651 peptide DGENE
TI Protein HF-COLL-18/514cf - useful for treating, e.g. diseases of supporting or connective tissue, respiratory or urogenital tract or of the cardiovascular or nervous system
IN Forssmann W; Raida M; Schrader M; Schulz-knappe P
PA (FORS-I) FORSSMANN W
PI DE 19615710 A1 19971023 6p
AI DE 1996-19615710 19960422
PRAI DE 1996-19615710 19960422
DT Patent
LA German
OS 1997-514492 [48]